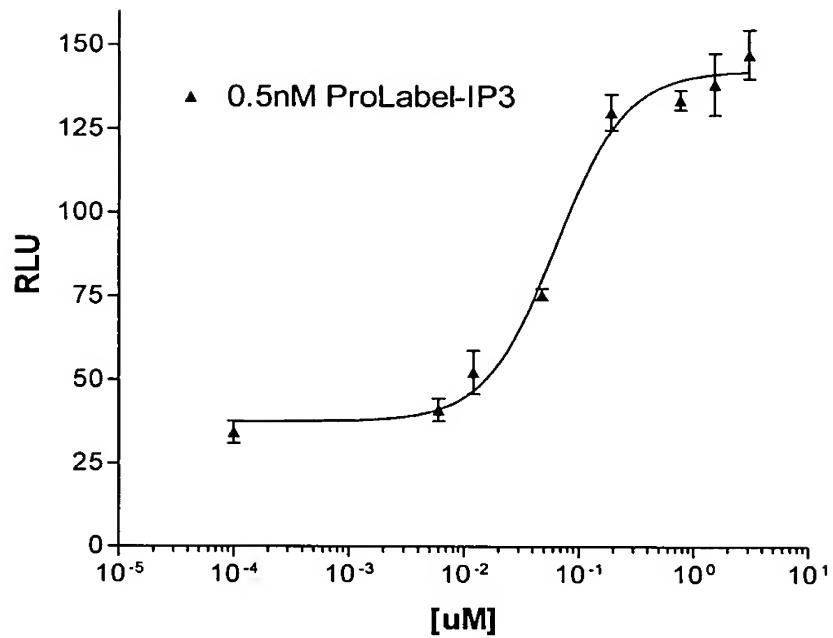


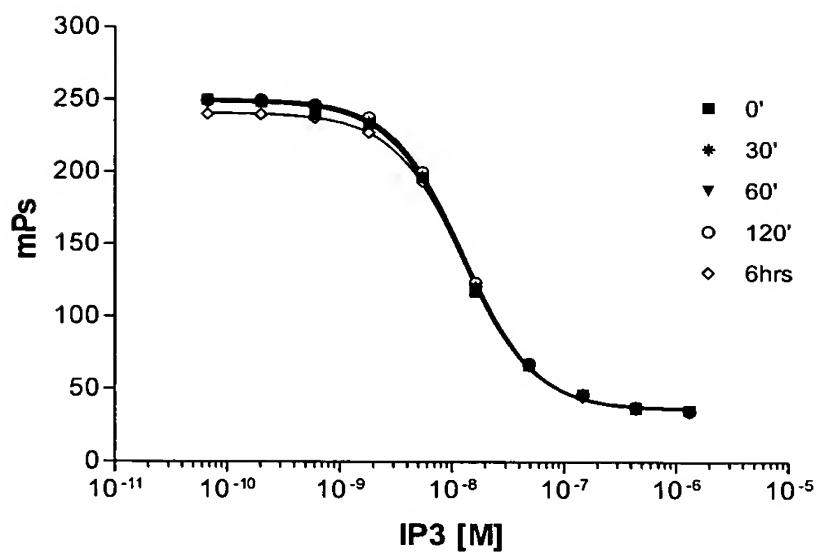
IP3 Calibration curve-EFC activity



	0.5nM
Best-fit values	
BOTTOM	37.54
TOP	142.5
LOGEC50	-1.200
HILLSLOPE	1.416
EC50	0.06305

Figure 1

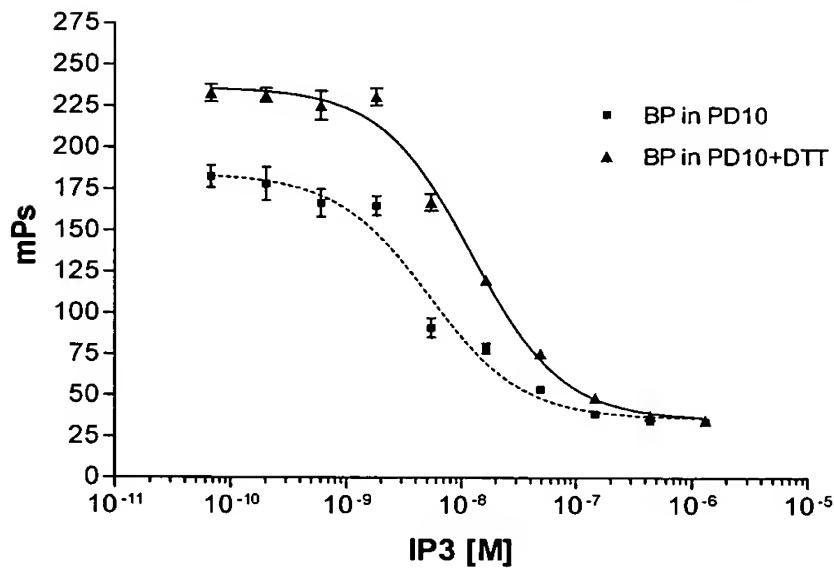
Stability of IP3-FP Assay
Testing DTT in the IP3 dilution buffer
1:300 dilution of Binding Protein



	0'	30'	60'	120'	6hrs
BOTTOM	36.89	36.27	36.23	36.59	35.72
TOP	248.6	249.7	249.4	250.6	240.9
LOGEC50	-7.925	-7.909	-7.916	-7.897	-7.893
HILLSLOPE	-1.351	-1.326	-1.321	-1.353	-1.350
EC50	1.1880e-008	1.2340e-008	1.2130e-008	1.2670e-008	1.2790e-008

Figure 2

**IP3-FP: Calibration Curve
for testing CHO-M1 cell detection- 0 time point**



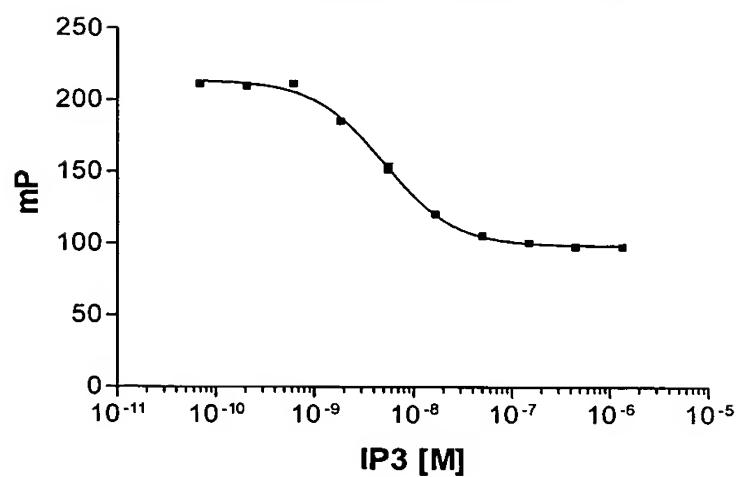
	BP in PD10	BP in PD10+DTT
BOTTOM	36.07	35.59
TOP	184.1	236.0
LOGEC50	-8.279	-7.914
HILLSLOPE	-1.076	-1.096
EC50	5.2550e-009	1.2200e-008

Figure 3a

		0 Read time				<u>BP diluted in PD10/DTT buffer</u>			
		Sample	Avg	Change mPs	Cal. IP3 (nM)	Change in IP3 levels			
Carbachol	30 K Uninduced	206.8 213.3 206.8 199.0	206.5		25				
	30K Induced	91.3 81.9 102.7 83.7	89.9	23	30.1			120	
	15 K Uninduced	215.6 228.8 218.1 238.3	225.2		0.89				
	15 K Induced	87.1 89.2 90.6 97.9	91.2	25	29.2			328	
Acetylcholine	30 K Uninduced	180.5 187.0 191.0 156.5	178.7		5.3				
	30K Induced	63.8 73.9 71.0 72.9	70.4	25	50.6			9.5	
	15 K Uninduced	218.4 225.2 219.4 220.1	220.8		1.25				
	15 K Induced	102.8 101.3 104.5 97.4	101.5	22	23.8			19.0	

Figure 3b

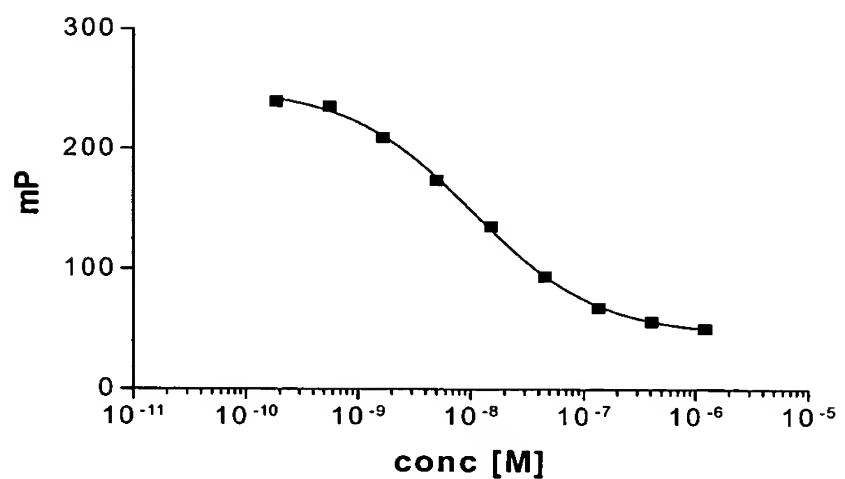
**IP3-Cy3B 0.5 nM (BP lot # 55)
20 ul added ready to use**



HILLSLOPE	-1.230
EC50	5.0030e-009

Figure 4

**IP3 - Hexachlorofluorescein and
Binding protein (BP)**



HILLSLOPE	-0.7882
EC50	1.0250e-008

Figure 5

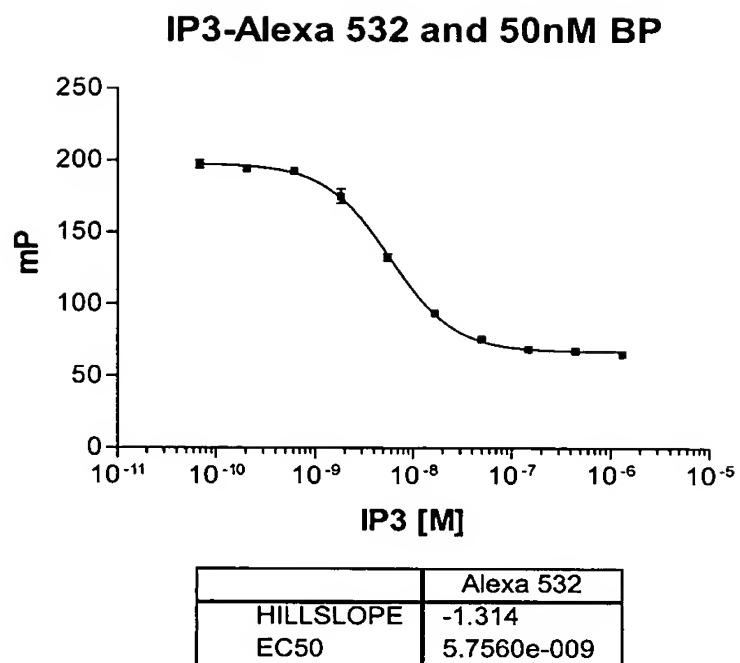
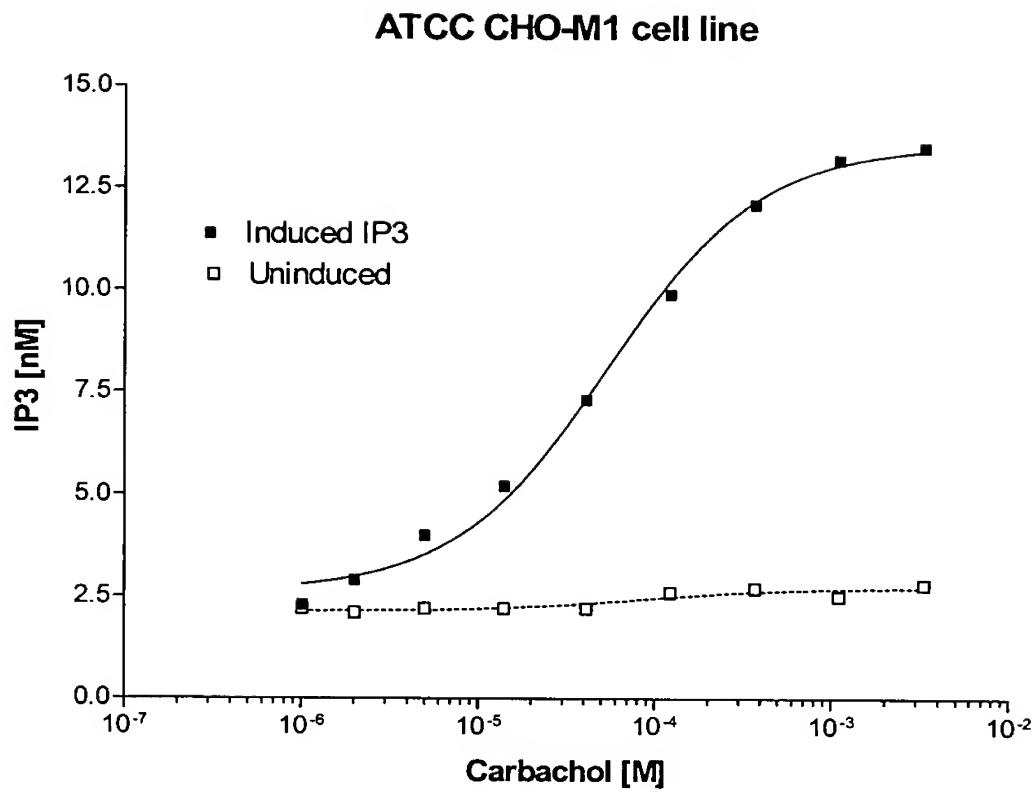


Figure 6



	Induced IP ₃	Uninduced
BOTTOM	2.599	2.130
TOP	13.58	2.728
LOGEC50	-4.267	-4.082
EC50	5.4050e-005	8.2790e-005

Figure 7

Cell Titration at Basal Level

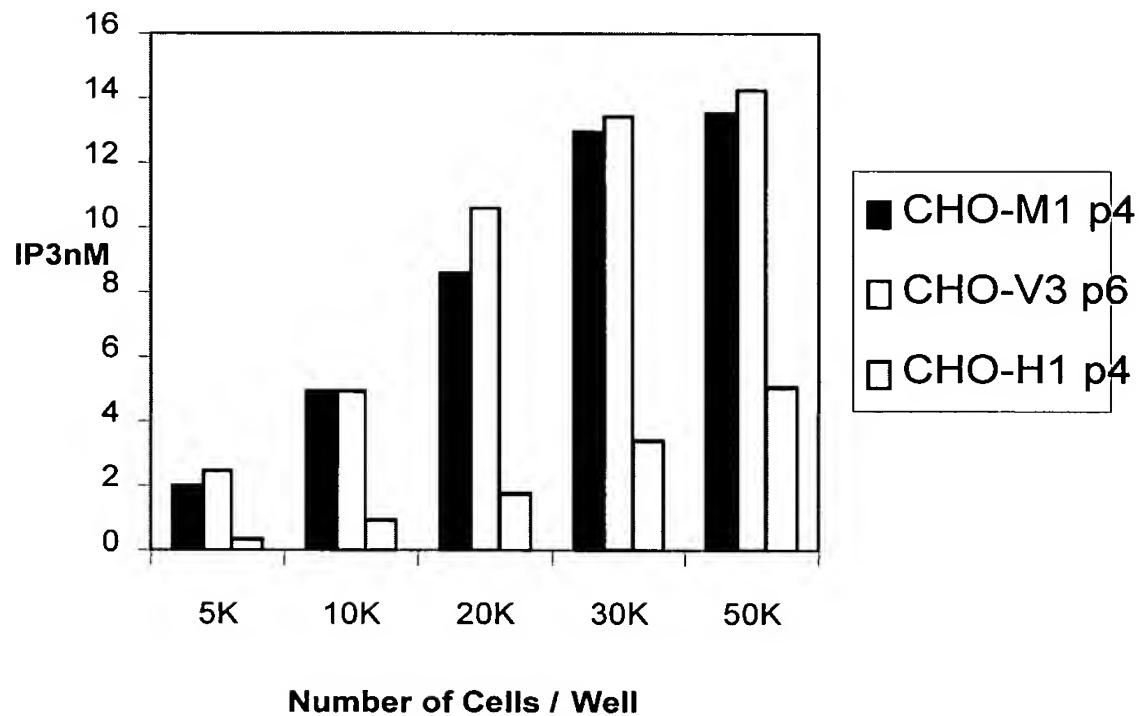


Figure 8